Form RHA-PNC (5/80)

UN2912

DHEC 802 (5/80) "

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTRL Radioactive Waste Shipment Prior Notification and Manifest Form

	Reverse Side	for Instructions	ponsible for Radioactive					
. Name and Address of Shipper	ration	2. Person Res Waste Ship	me∙n†					
Umetco Minerals Corpor	acion	(a) Name	G.E. Walck					
137 - 47th Street		(b) Title	Construction Supering					
Niagara Falls, NY 1430		(c) Teleph	dentification No.:					
Radioactive Waste Transport Pe	rmit No							
0211-31-84-X	'	1184-1						
Same as (1) above	be shipped	6. Name and Address of Consignee Chem-Nuclear Systems, Inc. P.O. Box 726 Barnwell, South Carolina 29812						
7. Scheduled Date of Departure of	Shirment	8 Estimated	Date of Arrival of Shipment					
	Silipment-		nber 8, 1984					
November 6, 1984		·	11. Trailer No. and Owner					
9. Carrier Tri-State Motor Transit	Closed		(if available)					
12 Routes shipment will follow i	n State of Sou	th Carolina (Be S	pecific)					
1-20, I-26, US-32								
	Manifest							
13 Type Container or Cask	14 Contain	ner Spec	15 Total No of Containers					
Wood Boxes	CFR 49	173.392 (c)	10					
16 Waste Description, Physical	1	17. Prominen	t Radionuclides					
Chemical Form Contaminate	ed Soil,	1	m (Nat.) .0028					
Metal Oxides, Bldg. Rubl	ble, Wood		m (Nat.) .004					
and Plant Hardware	19. Transpor		20 Total Cubic Feet					
18 Total Curies (mCl)	1 13. II alis por		L Company of the Comp					
• •	SA d quantities	Normal Form [] Type A quantity	[] Type A quantity [] Class [] [] Type B quantity [] Class []					
21 Waste Classification  M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite	SA d quantities dioactive s	Normal Form [] Type A quantity [] Type B quantity [] Large quantity	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class					
21 Waste Classification M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device	SA d quantities dioactive s CERTIF	Normal Form [] Type A quantity [] Type B quantity [] Large quantity ICATION	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class []					
21 Waste Classification  M Radioactive LSA [] Bulk L  [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t best of my knowledge, and that t Act No 499 of 1980, the South C	SA d quantities dioactive s  CERTIF  The above-named the information	Normal Form [] Type A quantity [] Type B quantity [] Large quantity ICATION shipper to the Sou	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] ith Carolina Department of Heal [] its complete and correct to the [] the provisions as required by					
21 Waste Classification  M Radioactive LSA [] Bulk L  [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t	SA d quantities dioactive s  CERTIF  The above-named the information	Normal Form [] Type A quantity [] Type B quantity [] Large quantity ICATION shipper to the Sou	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] ith Carolina Department of Heal [] its complete and correct to the [] the provisions as required by					
21 Waste Classification  M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t best of my knowledge, and that t Act No 499 of 1980, the South C Date October 22, 1984	SA d quantities dioactive s  CERTIF de above-named the information the shipper has Carolina Radioa	Normal Form [] Type A quantity [] Type B quantity [] Large quantity ICATION shipper to the Sou	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] ith Carolina Department of Heal [] its complete and correct to the [] the provisions as required by					
21 Waste Classification  M Radioactive LSA [] Bulk L  [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of the and Environmental Control that the best of my knowledge, and that the Act No 499 of 1980, the South Control  Date  October 22, 1984  G.E. Walck - Construct	CERTIF  ce above-named che information che shipper has carolina Radioa	Normal Form [] Type A quantity [] Type B quantity [] Large quantity ICATION shipper to the Sou	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] ith Carolina Department of Heal [] its complete and correct to the [] the provisions as required by					
21 Waste Classification  M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t best of my knowledge, and that t Act No 499 of 1980, the South C Date October 22, 1984	CERTIF  ce above-named che information che shipper has carolina Radioa	Normal Form [] Type A quantity [] Type B quantity [] Large quantity  ICATION  shipper to the Son provided herein is complied with all active Waste Transp	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class  [] the Carolina Department of Heal as complete and correct to the the provisions as required by portation and Disposal Act					
21 Waste Classification  M Radioactive LSA [] Bulk L  [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of the and Environmental Control that the best of my knowledge, and that the Act No 499 of 1980, the South Control  Date  October 22, 1984  G.E. Walck - Construct	CERTIF  CERTIF  The above-named the information the shipper has carolina Radioa	Normal Form [] Type A quantity [] Type B quantity [] Large quantity ICATION  shipper to the Son provided herein is complied with all active Waste Transports Signature	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class  [] the Carolina Department of Heal as complete and correct to the the provisions as required by portation and Disposal Act					
21 Waste Classification M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t best of my knowledge, and that t Act No 499 of 1980, the South C Date  G.E. Walck - Construct  Typed Name and Title of Agent of	CERTIF  de above-named the information the shipper has Carolina Radioa	Normal Form [] Type A quantity [] Type B quantity [] Large quantity  ICATION  shipper to the Source provided herein : complied with all active Waste Transport to the Source Provided Formation of the	Special Form Fissil [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class  oth Carolina Department of Heal as complete and correct to the at the provisions as required by cortation and Disposal Act  G.E. Walck					
21 Waste Classification M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t best of my knowledge, and that t Act No 499 of 1980, the South C Date  G.E. Walck - Construct  Typed Name and Title of Agent of	CERTIF  CERTIF	Normal Form [] Type A quantity [] Type B quantity [] Large quantity ICATION  shipper to the Source provided herein is complied with all active Waste Transport of the Source Provided Health and the Source Provided Heal	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] the Carolina Department of Heal as complete and correct to the [] the provisions as required by portation and Disposal Act    Add					
21 Waste Classification M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t best of my knowledge, and that t Act No 499 of 1980, the South C Date  October 22, 1984  G.E. Walck — Construct Typed Name and Title of Agent of the above-described radioact  Date of Delivery	CERTIF  CERTIF	Normal Form [] Type A quantity [] Type B quantity [] Large quantity [] Iarge quantity [] Ication  shipper to the Source of provided herein is complied with all active Waste Transport of Waste Transport of Health ment was received.  Signature of Signatu	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] the Carolina Department of Healts complete and correct to the lite provisions as required by portation and Disposal Act  G.E. Walck  and Environmental Control that					
21 Waste Classification M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of the and Environmental Control that thest of my knowledge, and that the Act No 499 of 1980, the South C Date  October 22, 1984  G.E. Walck - Construct Typed Name and Title of Agent of the above-described radioact	CERTIF  CERTIF	Normal Form [] Type A quantity [] Type B quantity [] Large quantity [] Iarge quantity [] Ication  shipper to the Source of provided herein is complied with all active Waste Transport of Waste Transport of Health ment was received.  Signature of Agent	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] the Carolina Department of Heal as complete and correct to the at the provisions as required by cortation and Disposal Act  G.E. Walck  and Environmental Control that					
21 Waste Classification M Radioactive LSA [] Bulk L [] Radioactive LSA [] Limite greater than and ra Type A quantities device  I hereby certify on behalf of th and Environmental Control that t best of my knowledge, and that t Act No 499 of 1980, the South C Date  October 22, 1984  G.E. Walck — Construct Typed Name and Title of Agent of the above-described radioact  Date of Delivery	CERTIF  CERTIF	Normal Form [] Type A quantity [] Type B quantity [] Large quantity [] Iarge quantity [] Ication  shipper to the Source of provided herein is complied with all active Waste Transport of Waste Transport of Health ment was received.  Signature of Agent	Special Form Fissile [] Type A quantity [] Class [] Type B quantity [] Class [] Large quantity [] Class [] the Carolina Department of Healts complete and correct to the lite provisions as required by portation and Disposal Act  G.E. Walck  and Environmental Control that					

(Copies of this form may be reproduced locally as needed)

### General Instructions and information

1. This form is to be used to provide the Department with prior notification of radioactive waste shipments transported into or within the State of South Carolina. This notification is to be made 72 hours before the expected date of arrival in the State. All written notices should be mailed to:

Bureau of Radiological Health Radioactive Waste Management Section S.C. Dept. of Health and Environmental Control 2600 Bull Street Columbia, South Carolina 29201

- 2. A separate form shall be submitted for each radioactive waste shipment.
- 3. Prior notification is required of all radioactive waste shipments as defined in paragraph 2 of Interim Regulations for the Transportation of Radioactive Waste into or within South Carolina except as provided in paragraph 4.1.2 of the Regulation.
- 4. The "Manifest Summary" portion of this form will satisfy requirements of providing the Department with a shipping manifest, however, it does not satisfy the requirements of shipping documents which shall accompany the shipments as required by DOT Regulations and the disposal facility's license and criteria.
- 5. A copy of this completed form shall be provided to the carrier and all drivers of the radioactive waste shipment.
- 6. Upon delivery of the shipment to the consignee, acknowledgement of receipt shall be obtained, and a copy of this form and the shipper/carrier's certification form shall be returned to the Department.

#### Specific Instructions

#### Item Number

- 1. Self Explanatory
- 2. Self Explanatory
- 3. This item applies to all shipments of radioactive waste transported to and within the State of South Carolina.
- 4. Each shipment of radioactive waste shall be identified in some manner by the shipper. This number can be a radioactive shipment record number, bill of lading number, allocation number, etc. The identification number shall only be used once to identify the one shipment for which notification is being made.
- 5. Self Explanatory
- 6. Indicate in this item the disposal facility, company, organization, etc., to which this shipment has been consigned.
- 7. Self Explanatory
- 8. For through shipments, indicate in this item estimated date shipment will pass through the state.
- 9. Self Explanatory
- 10.& 11. Applies only to exclusive use, sole use, and full load shipments.
- 12. All routing information must be specific. You should check with carrier to insure routes you prescribe are appropriate. The carrier is responsible to inform the Department of any changes of routes in South Carolina after departure.

thru 21. Self Explanatory

.27

To be signed only by an authorized representative or agent of the shipper Certification: and carrier.

Authorized Signature

ADDRESS 137 - 47th Street  CITY Niagara Falls STATE New York  CONTACT G.E. Walck PHONE (716) 278-3361  (2) consigned to CHEM NUCLEAR SYSTEMS, INC (3) USE THIS NUM		CLEAR SYSTEMS, INC South Carolina 29812 9-1781 NT MANIFEST FORM	Tri- CARRIER State  TELEPHONE <u>&amp;17</u> SHIPMENT TYPE <u>V.</u> SHIPMENT NO <u>61</u> PAGE <u>I</u> DRIVER SIGNATUR	ADDRESS Joplin, Missouri 64801  -624-313 SHIPPING DATE NAVEMBES 6 1084  an SHIPMENT SURFACE EXPOSURE 070 mR/hR  5-3013//LINER SERIAL NO  E Kindley DATE 14 7-84
P O BOX 726, OSBORN ROAD BARNWELL, S C 29812 ALL CONTINUATIO		_117^	OF 2	
(5) TOTAL FOR EACH CLASS  NO OF PACKAGES (Pounds)  Radioactive Material, empty packages  Radioactive Material, fissile, n o s — Radioactive Material  Radioactive Material, low specific activity, n o s — Radioactive Material  Radioactive Material, limited quantity, n o s — Radioactive Material	UN2908 UN2918 UN2912 UN2912 UN2982 UN2910	l isc	SHIPMENT TOTALS  ACTIVITY (100FR 20 311) C Curies Millicuries  ALL TRITIUM C 14 Tc 99  O68 NP NP NP NP	(7) TOTAL SNM   SOURCE (Pounds)   U-233   W/A     129*
Radioactive Material, special form, n o s —Radioactive Material Radioactive Material, instruments and articles—Radioactive Material	UN2974 UN2911	TOTAL DALLET	N/A .	
(13) (13) Yes ( ) No THIS VEHICLE IS CONSIGNED EXCLUSIVE USE LOADING AND UNLOA ACCOMPLISHED BY CONSIGNOR OR CONSIGNEE OR HIS DESIGNATED  (14) IMPORTANT "This is to certify that the above named materials are properly classified, desc and labeled, and are in proper condition for transportation according to the applicable regula Transportation  Signature   (13) (13) Yes ( ) No THIS VEHICLE IS CONSIGNED EXCLUSIVE USE LOADING AND UNLOADING AND UNLOADI	AGENT Solid  DING MUST BE D AGENT  cribed, packaged, marked	(15) "Certification is here of low level radioac Material License I amended, and the made that the insp.  Date 11/6/84 Title and Organiza Telephone No. (7)	ctive waste has been inspected in accidence of the Nuclei of State	ment of Health and Environmental Control that this shipment ordance with the requirements of South Carolina Radioactive ear Regulatory Commission's License No 12 13536 01 as a within 48 hours prior to shipment, and further certification is appliance with all applicable laws, rules and regulations.
☐ This material meets all license requirements	*			
This material was disposed of in accordance with license	CUSTOME	R'S COPY Arriv	val'Date	Arrival Survey No
☐ Discrepancy		Date	e/Time Buried	H P Initial
	Form No 0	3)	nch No	
Date	SEE INSTRUCTIONS ( FOR FILLING OU			*Personnel Exposure
Authorized Signature Title			•	

	PLEASE COMPLETE ALL INFORMATION	ON IN THE 5 BLOCK	S OUTLINED IN ORANGE	8:3	AIRBILL N	<del></del>
	PLEASE COMPLETE ALE INFORMATION SEE BACK OF FORM SET FOR COMP YOUR FEDERAL EXPRESS ACCOUNT NUMBE	SELE SHENAHATION	DATE			
142			TO (Recipient's Name)		if Hold For	r Pick Up or Saturday Delivery s Phone Number
	Walck DEPARTMENT/FE	LOOP NO	Mg Syb11	Horton		MENT/FLOOR NO
MPANY HETCO MINGRAL	s ·		Chem-Nucle	ar Systems	Inc.	
REET ADDRESS	,		STREET ADDRESS (P O	BOX NUMBERS ARE I	(OL DEFINEHABLE)	
ATTH & A STREE		STATE	Osborn Ros	ad Hiway 6		STATE
TY ' ' \		•	11 '	, "	Talagoria <b>K</b> e	outh Carolingo
HBILL NO 632463	ZIP ACCURATE 2P COOR REQUIRED FOR CORRECT INVOCANG  A   4   3   0   2	* * * * * * * * * * * * * * * * * * *	IN TENDERING THIS SHIPMENT F E C SHALL NOT BE LIABLE TAL OR CONSEQUENTIAL DAI	FOR SPECIAL INCIDES IN	ZIP ACCURATE ZP COOK REC FOR OVERNIGHT DELIVER 2 9 8 1	XXAEC US.
UR NOTESÆFERENCE NUMBERS (FIRST 1		Acc' Bili Credi	CLAIMS RESPEC AIRBILL ON REVE	ALL WARRANTIES EXPR T TO THIS SHIPMENT THI SUBJECT TO CONDITIONS ( ERSE OF SHIPPER'S COPY	S IS A NON NECOTIABLE OF CONTRACT SET FORTH UNLESS YOU DECLARE A	FREIGHT CHARGES
X Sili Gilippoi	Bill Recipient's F.E.C. Acct. Bill 3rd Party F.E.C.	ACC. 2 0 0	PORATIO NOT CAL	VALUE THE LIABILITY OF IN IS LIMITED TO \$100 00 RRY CARCO LIABILITY INSU	FEDERAL EXPRESS DOES JRANCE	DECLARED VALUE CHARGE OF
SERVICES CHECK ONLY ONE BOX	DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED	PACKAGES WEIGHT	DECLARED C'S	Jugare 3	AGT/PRO	ADVANCE ORIGIN
PRIORITY 1 OVERNIGHT L  OVERNIGH PACKAGES) 6 1 (Dp to 7 62)  COURIER PAK 7	HOLD FOR MICK UP AT FOLLOWING  THERAN EXPRESS LOCATION SHOWN IN SERVICE GUIDE RECEIVE'S PHOSE SUMBER PEQUIPED		215	3013	AGT/PRO	ADVANCE DESTINATION
OVERNAGENT ENVELOPE 8 O	2 DELIVER SATURDAY SERVICE REQUIRED See Reverse (Erra: Charge applies for delivery )	TOTAL TOTAL	TOTAL	it forms		OTHER
CVERNICHT FUBI	4 RESTRICTED ARTICLES SERVICE (P : and Standard Air Packages only extra charge)	RECEIVED AT				TOTAL CHARGES
STANDARD AIR	5 SSS (Signature Security Service required entire charge applies)	SHIPPER S DO	STOP			TO THE OTINIDES
DAY FOLLOWING PICK UP (Job 76: 185.)	6 DRY IDELBS	☐ F CON CAI	L STOP  orporation Employee No			
IVERNICHT IS NEXT BUSINESS DAY IONDAY THROUGH FRIDAY) TWO DAY	7 COTHER SPECIAL SERVICE	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	700			PART# 2041730751 FEC S 0751 D/O/B

### TELECON REPORT

JOHN JOINES.

TRI STIPTE

DATE 11-6-89

LOCATION

TIME

FROM

G. E-Walck

FILE NO

LOCATION VINETED MIREARA

DISTRIBUTION.

SUBJECT

INCORRECT PAPER WORK WITH TRUCK DRIVER ON SUPPRISES 615-3013 - TRACTUR. 2993

JOHN CHIER TR-STORE TERMINA RT BRANDELL- NATURE OF
CHANGE IS 1084-117-A SHOULD BE 1184-117-A ON FORM
DHEC 83 ALSO ON SOT 272 OF CNS-ZOI UPPER RIGHT
HEND CORINE 1584-117-A SHOULD BE 1184-117-A AND ON
SHT 172 F CNS-ZOI - "ACTIVITY" SHOULD BE CHECKED IN
MILLICURIES BLOCK.

THEY WILL HOLD TRUCK HOW MAKE THESE CHENCES

Hickory 69 BARWELL S.C.

BARWELL S.C.

29812

# BARNWELL WASTE MAN AGEMENT FACILITY Operated by CHEM NUCLEAR SYSTEMS, INC CONTINUATION SHEET

USE THIS NUMBER ON VOLUME ALLOCATION NO ALL CONTINUATION PAGES 1084-117-& 1084-117-A PAGE 2 OF Z

(16) ITEM NO	(17) RADIO NUCLIDE EACH CONTAINER	(18) PERCENT OF ACTIVITY EACH NUCLIDE	(19) ACTIVITY EACH CONTAINER (mCi)	(20) T PHYSICAL FORM	(21) CHEMBA; FORMAND NAMEA (II CHELATING ACENT	(22) WASTE DESCRIPTION	(23) WASTE FORM CLASS	(21) STABILITY CLASS (S. UI	(25) SPECIAL NUCLEAR MATERIAL (grams)	168.5 g.	26) URCE IERIAL Junds)	(27) DISPOSA(SI E CONTAINER WEIGHT (pounds)	(28) DISPOSABLE CONTAINER VOLUME (Cu Ft)	(29) CONTAINER TYPE	RADIATION CONTAINS R SURFACE MIRZEIR O RZHR	LITVELS LITTI LMLTER	(31) CONTAMERATION CONTAINER SURFACE (DEM. 100, m2) Alphy Beta Gamma	(32) I) O T SUB TYPE (A1 A2 LSA etc i	(33) FISSILE CLASS	(.4) LABELS/ MARKINGS USED
198	1 E	7		Š						0.	. /	4/12	65		.044	016				R schoartive-
1-10	<del>                                     </del>		<u> </u>	į																Radioactive
199	in the same	}		1						0	1	4477	65		,036	014				Radioactive
<i>y</i>	1						1			1										Radioactive-
104	200			1,			$\top$			01		4306	65		000	.010				Radioactive—
			1							1										Radioactive—
205	2			;	,					0.	1	4502	65		030	.010				Radio ictive —
	-			,		,				1						<u> </u>		L		Radioactive—
210	1. 2. E	1	T	7	È.	87- 1 32 1.				0	Ţ	4248	135		050	.012				Radinactive
-		<u> </u>		7	!IF	- · .X. · .				1					<u> </u>					Radinactive -
215	1	ذ			,	*	1			0!	7 -	4182	65		046	.014			<u></u>	Radioactive
	*	<u> </u>		1		1				1										Radioactive
216	7	7			١,	}	1			0	7	7466	65		018	.012				Radioactive
, <del>* · · ·</del>	-			)	-	(														Radioactive —
217		7			K	<u> </u>	1			0	$\overline{\mathcal{L}}$	4286	65		,030	.015				Radioactive—
	7		†	7	1			7	· ·	1								<u> </u>		Radioactive
218	J 1								70	0	7	4474	65		.038	.012		<u> </u>		Radioactive —
			<u> </u>	1	į <del>.                      </del>		1	1							,					Radioactive—
219	ستمد سنا	<del> </del>	<del> </del>	<del> </del>	l)					0	1	4394	65		,050	.012				Radioactivi.—
1	<del> </del>		T		1			<del> </del>	<b>†</b>	}					Ī					Radioactive
	<u> </u>				-{	1		T	1	1									<u> </u>	Rad-oactive -
		!	<del>                                     </del>	<del> </del>	1				,	. 3				Ĭ					L	Radioactive-
. \	2 Maring - 2	4 Y	ļ		<u> </u>					- 4								l		Radioactive
7	T .		7		il					1									L	Radioactive—
<u> </u>	<del> </del>	<del> </del>	<del> </del>		15		1			4										Radioactive-
			<u> </u>		Ģ				1										I	Radioactive—
	1	<del> </del>	<del>                                     </del>	1	1/2		1	<del>                                     </del>												Radioactive-
		<del> </del>	<del> </del>	<del>                                     </del>	1				T	l G										fladioactive—
	<del> </del>			<del>                                     </del>	H5.7	, -" -	$\top$	† <i>-</i>	1	1										Radioactive-
			<del> </del>		H.	er ;			T	j										Radioactive -
		+				PAGE TOTALS		<del>' , '</del>		Ľ,	0	43447	650							

- , 🦎 Form No CNS 201 · (9-83)

DISPOSAL SITE COPY

ADDRESS 137 - 47th Street	mR/hR
(6) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (7) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (7) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (7) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (7) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (7) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (7) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (7) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (8) 10TAL FOR PROPER SHIPPING NAME & HAZARD CLASS (PER 149 CFR 172 101)  (8) 10TAL FOR MARKET & HAZARD CLASS (PER 149 CFR 172 101)  (8) 10TAL FOR MARKET & HAZARD CLASS (PER 149 CFR 172 101)  (9) WASTE DESCRIPTION (PER 20 111)  (10) (X) Yes () No THIS VEHICLE IS CONSIGNED EXCLUSIVE USE LOADING AND UNLOADING MUST BE ACCOMPLISHED BY CONSIGNOR OR CONSIGNED OR HIS DESIGNATED ACCOMPLISHED BY CONSIGNOR OR CONSIGNATED ACCOMPLISHED BY CONSIGNOR OR CONSIGNOR OR CONSIGNATED ACCOMPLISHED BY CONSIGNOR OR CONSIGNOR OR CONSIGNATED ACCOMPLISHED BY CONSIGNOR OR CONSIGNOR	STE FORM CLASS (A □ B □ C  Ithat this shipment Carolina Radioactive to 12 13536 01 as urther certification is nd regulations
Signature  Company Umetco Minerals Corporation Date 11/6/84  Title and Organization Construction Superintendent - Umetco Mineral Telephone No. (716) 278-3361	s Corp
//////////////////////////////////////	7/7/
This material meets all license requirements  This material was disposed of in accordance with license  DISPOSAL SITE COPY  Date/Time Buried H P Initial  Form No CNS 201 Trench No Location Code	
(9-83)   Waste Class Code	

GENERATOR NAME Umetco Minerals Corporation

### BARNWELL WASTE MANAGEMENT FACILITY Operated by CHEM NUCLEAR SYSTEMS, INC

USE THIS NUMBER ON VOLUME ALLOCATION NO ALL CONTINUATION PAGES 1184 –117 – A

#### CONTINUATION SHEET

(16) ITEM NO	(17) RADIO NUCLIDE EACH CONTAINER	(18) PERCENT OF ACTIVITY EACH NUCLIDE	(19) ACTIVITY EACH CONTAINER (mCi)	(20) PriySicac FORM	(21) CHEMICAL FORM AND NAME X OF CHILLATING ACENT	(22) WASTE DESCRIPTION	(23) WASTE FORM CLASS	CLAS . IS	U) N	(25) SFECIAL NUCLEAR MATERIAL IBRADIS)	(25) 50::RCF MATERIAL (pounds)	(.17) DISPO ABLE CONTAINER WEIGHT (pounds)	(28) DISPOSABLE CONTAINER VOLUME (Cu. Ft.)	(29) CONTAINER TYPE	(30 RADIATION CONTAINER SURFACE XORZOR SERVIR	II VFLS	() (09)	(31) IAMINATION INTAINER ILIO ACE MZ100 (112) SELE CAMINA	(32)   D.O.1   SUB TYPE   (A1 A2   LSA etc.)	(33) FISSILE CLASS	1.34 Aish MARK USI	187 INGS ED
198	11-238	N/A	0028	Solid	7		Α	Ū		N/A	0 1	4112	65		044	016	<b>M</b> DA	⟨ MDA	LSA	N/A	Radioactive -	1.SA
	TH-232		004													-0.7	- i	/1m1	101		Radioactive —	- T.()A
199	U-238		0028						- !		0.1	4477	65	<u> </u>	036	014	KMDA	⟨ MDA	LSA	N/A	Radisactive—	LSA
	TH-232		004								<u> </u>				262		(217.1	13501	7.04	N/A	Radioactive—	LSA
204	U-238		0028				1-1-				0 1	4306	65		060	016	KMDA'	( MDA	LSA	N/A	Rad-nactive—	LDA
	TH-232		004					L						<del> </del>	000	010	1	. 100.4	TCA	N/A	Radioactive—	LSA
205	U-238_		0028				<del>      -</del>	ļ	_		0 1	4502	65	ļ	030	010	<mda< td=""><td>( MDA</td><td>LSA</td><td>N/A</td><td>Radioactive —</td><td>LSA</td></mda<>	( MDA	LSA	N/A	Radioactive —	LSA
	TH-232		004			<u></u>		1				1		<u> </u>	.030	010	(MDA	<b>∢</b> MDA	LSA	N/A	Radinactive	LSA
210	U-238		.0028					<b>  -</b>			0.1	4248	65	ļ	.030	012	AUDA	( MDA	LSA	N/A	Radioat live	TOB
	TH-232		.004		<u>ы</u>	O E E	+	<del>  -</del> -				1700		<del> </del>	046	01/	KMDA	( MDA	LSA	N/A	Radioactive—	I.SA
215	U-238		.0028		<del></del> \	D BB AR					0.1	4182	65	<del> </del> -	046	0.14	MUA	( PIDA	LOB	N/A	Radioactive-	מטנו
	TH-232		.004		<u>_</u>	<u> </u>	++	-				1166			028	012	<b>∢</b> MDA	<b>∢</b> MDA	LSA	N/A	Radioactive-	LSA
216			.0028			A T R D	<del> - -</del>	<del> </del>			0.1.	4466	65	ļ	026	03.2	MUM	₹ rujk	Lion	N/A	Radioactive-	LIDIT
	TH-232		.004		TA	P C R	+				0 1	4286	65	<del> </del>	030	015	<b>M</b> DA	<b>⟨</b> MDA	LSA	N/A	Radioactive -	LSA
217	.⊔-238		.0028	<del></del>		<u>\</u>		<del>-  -</del>			0.1	4280	65	<b> </b>	030	.01.	TIDA	VI-DA	LON	11//1	Ramoactive	
	TH-232		004		Σ	A U L		<del>i</del>  -			0 1	4474	65	<del> </del>	028	. 012	<b>K</b> MDA	<b>∢</b> MDA	LSA	N/A	Radioactive—	LSA
218			.0028			NH4					0 1	44/4		:	- 020				1		Radinactive —	
010	TH-232		004			<u> </u>	+- +-	┼──┼	-+		0.1	4394	65	<del> </del>	.030	012	KMDA	<b>∠</b> MDA	I.SA	N/A	Rad-pactive—	LSA
219	U-238		0028				<u></u>	<u> </u>	<del>'  </del> -	_ <del></del> _	U.I.	4354		<del> </del>	1				<del> </del>	-	Radioactive	
	TH-232	<u>\</u>	004	<del>V</del>				<del> </del>	-+				<del> </del>	<del> </del>			<del> </del>				Radioactive	
		-					<del>-                                    </del>		<del>i</del> -		<del> </del>	<b> </b>		<u> </u>	<del> </del>	<u> </u>					Radioactive—	
							<del>-  </del>	<del> </del>							T		1				Radioactive	
<del></del>		·	+	· · · · · · · ·				<del>†</del>				!					<del> </del>				Radioactive —	
	·		ļ					<del> </del>						1	!		1				Radioactive—	
			<del> </del>				+	+			<del>  · · ·</del>					1					Radioactive—	
<b>—</b>			İ					+	-		1				1	!					Radioactive —	
ļ			<del>                                     </del>				<del> </del>	T	+		1		<u> </u>	1		1	1				Radioactive—	
<del></del>			<del>                                     </del>			ļ		<u> </u>	+		1	<del>                                     </del>					Ι	L			Ranioactive—	
		·······	1.				<del> </del>		<del></del>		!	1									feadipactive—	
					L	PAGE TOTALS		<del>-</del>	_		1 0	43447	650									

Form No CNS 201 (9-83)

CUSTOMER'S COPY

(1) GENERATOR NAME Umetco Minerals Corporation  ADDRESS 1.37 - 47th Street	P 0 Box 726	CHEM NUCLE, Barnwell, Sou (803) 259 17	AR SYSTEMS, I ith Carolina 29	NC 812		Joplin, Missouri 64801 Behipping date Navember 6, 19	—
CHY Niagara Falls STATE New Yor						MENT SURFACE EXPOSURE <b>, 270</b> mf	R/hR
CONTACT C E Walck PHONE (716) 278-3361					SHIPMENT NO 61.5-301.3	LINER SERIAL NO.	
(2) consigned to CHEM NUCLEAR SYSTEMS, INC.	3) USE THIS NUMBER ON ALL CONTINUATION PAGES	VOLUME ALLOC 		PAGE 1 OF 2	DRIVER SIGNATURE	Martines DATE 11-1-8	<u>∠</u> j
(5) ToTAL FOR PROPER SHOPPING NAME & HA, (PER 49 CFR 172 101 ND OF PACKAGES (Faunds)  Radioactive Material, empty packages  Radioactive Material, fissile, n o s — Radioactive Material, low specific activity, n o s — Radioactive Material, low specific activity, n o s — Radioactive Material, low specific activity, n o s — Radioactive Material, not s— Radioactive Material, limited quantity, n o s — Radioactive Material, special form, n o s — Radioactive Material, instruments and articles — Radioactive Material, instruments and articles — Radioactive Material, special form, n o s — Radioacti	al pactive Material live Material Material ctive Material ctive Material live live Material live Material live Material live live Material live live Materia	UN2908 UN2918 UN2912 UN2912 UN2982 UN2910 UN2911 d	(15) Certification in of few fevel re Material Lice amended an imade that the	N/A  CHEMICAL FORM A NAME AND % OF C is needly made to the idioactive waste has I mise. No. 097 as am d the effective Barrievie inspection revealed.	CIVITY (100-FR 20 312) Comes Matthewins    C.34   10-59   13-29     NP   NP   NP    AND  CHELATING AGENT(S)   Metal (100-FR)   South Carolina Department of Healt been inspected in accordance with ended and the Nuclear Regulato ell Site Disposal Criteria within 48 hd in oilerins of non-compliance with	h and Environmental Control that this ship the requirements of South Carolina Radi ity Commission's License No. 12 13536 burs prior to shipment and further certific all applicable laws rules and regulation	A CLASS C priment lioactive 6 OL as cation is
Company Umetco Minerals Corporation	Date	11/6/84				- Umetco Minerals Corp	
		CNSI USE C		o (71 <b>6</b> 278–33	1 / / / / /		77
This material meets all license requirements					Ar	rival Survey No	
☐ This material was disposed of in accordance with license		DISPOSAL SIT	E COPY	Arrival Date			
☐ Discrepancy				Date:/Time Buried	Н	P Initial	
		Form No CNS	201	Trench No	Lo	cation Code	
		(9-83)		Waste Class Code			
Date	Sit.	E MSTRUCTIONS ON R FOR DULING OUT TO	FVERSE SIDE IS FORM		Pe	rsonnel Exposure	
Authorized Signature Ti	tle						

GENERATOR NAME Umetco Minerals Corporation

### BARNWELL WASTE MANAGEMENT FACILITY Operated by CHEM-NUCLEAR SYSTEMS, INC

USE THIS NUMBER ON VOLUME ALLOCATION NO ALL CONTINUATION PAGES 1184 – 117 – A

#### CONTINUATION SHEET

(Lo) ITEM NO	(17) RATHO NUCLIDE EACH CONTAINER	(18) PERCENT OF ACTIVITY FACH NUCLIDE	(19) ACTIVITY LACH CONTAINER (niCi)	(20) PHYSICAL FORM	(21) CP; Mil Ai FORM AND NAM: 4 OF: CPL ATING ( AGENT	620 WASTE DESCRIPTION	WASTE FORM CLASS	CASS (S. U			C/7) DISPOSABLE CONTAINER WEIGHT (pounds)	(28) DISPOSABCE CONTAINER VOLUME (Cir Ft)	(29) CONTAINER TYPE	LONTAIDER. SUREACE XICEZOR LEZOR	LEVELS	the state	(3); IAMINATION ONTAINLR ORGACE MATORINGS	(3.1) D.O.1 SUB TYPL (A1 A2 TSA etc.)	(33) FISSILF CLASS	(34 LABEL MARKI USE	IS/ INGS ED
198	11-238	N/A	0028	Solid			A	U	N/A	0 1	4112	65		044	016	MDA:	⟨ MDA	LSA	N/A	Rad-oactive—	LSA
130	TH-232		004	ì														1.		Radinactive -	
199	U-238		0028							0.1	4477	65		036	014	(MDA	( MDA	LSA	N/A	Radioactive	I.SA
1	TH-232		004				!													Radioactive-	
204	U-238		0028							0 1	4306	65		060	016	(MDA	( MDA	LSA	N/A	Rad.oact.ve—	LSA
	TH-232		004							T		<u> </u>				! '		· · · · · · · · · · · · · · · · · · ·	· ·	Rad oactive—	
205	U-238		0028							0 1	4502	65		030	010	<mda< td=""><td>⟨MDA</td><td>LSA</td><td>N/A</td><td>Rad nautive—</td><td>LSA</td></mda<>	⟨MDA	LSA	N/A	Rad nautive—	LSA
	TH-232		004							i										Radioactive	
210	U-238		.0028		ω	H				0 1	4248	65	!	030	012	<b>CMDA</b>	<b>∢</b> MDA	LSA	N/A	Radinin tive	LSA
2.50	TH-232		004		Щ	ОН			İ				<u> </u>							Radioactive	
215	U-238		.0028		- Ω	8 K 8 H			1	0 1	4182	65	<u> </u>	.046	.014	<mda< td=""><td><b>∢</b> MDA</td><td>LSA</td><td>N/A</td><td>Radioactive</td><td>LSA</td></mda<>	<b>∢</b> MDA	LSA	N/A	Radioactive	LSA
	TH-232		.004		×	D H A														Radioactive—	
216	U-238		.0028			H & G				0.1	4466	65		028	012	KMDA	✓ MDA	LSA	N/A	Radioautive	L.S.A
	TH-232		.004		A I	A G K				T										Radioactive —	
217	U-238		.0028		Ι3	H				0.1	4286	65	<u> </u>	030	015	<b>M</b> DA	( MDA	LSA	N/A	Radioact.ve—	LSA
	TH-232		.004		M	T D T			1						!			<u> </u>	<u> </u>	Radioastive—	
218			0028			N H				0 1	4474	65		028	012	<b>\MDA</b>	<b>∢</b> MDA	LSA	N/A	Radioactive—	LSA
	TH-232		004			000						1				<u> </u>		<u> </u>	!	Radioactive-	
219			0028			<u> — — — — — — — — — — — — — — — — — — —</u>				0 1	4394	65	İ	.030	012	<b>KMDA</b>	<b>∠</b> MDA	LSA	N/A	Radioactive	LSA
	TH-232		004													ļ		ļ		Radioastive—	
															ļ			<u> </u>	ļ	Radioactive —	
									-									ļ		Radioactive—	
														<u> </u>	<u></u>					Radioactive—	
														_	!	<u>:</u>		ļ	ļ	Radigas, tive—	
			1		<del></del>			-							Ĺ	<u> </u>				Radioactive—	
			1					<u> </u>				!	!							Radioactive -	
			1															<u> </u>		Radioactive —	
			1				_									<u>i</u>		1		Had partive —	
			†					<u> </u>										-1		Ramoactive	
		<del> </del>	1					1											<u> </u>	Radinactive	
			1		·	PAGE TOTALS				1 0	43447	650									

Form No CNS 201 (9-83)

CUSTOMER'S COPY

# **Union Carbide Corporation**

LINDE DIVISION • GAS PRODUCTS COMPLEX
4501 ROYAL AVENUE NIAGARA FALLS, N.Y. 14303

### **WEIGHT TICKET**

TSMT #2293

Mr. Walck

Bip6 149

12005 221 5000

12:22 11/05/89 0000 2293 8055 234600+ 1/547 ORIVIKS

12.23 11/06/84 2293 25055 22000 44600 3/120 TKAILER

# **Union Carbide Corporation**

LINDE DIVISION • GAS PRODUCTS COMPLEX
4501 ROYAL AVENUE NIAGARA FALLS, N.Y. 14303
WEIGHT TICKET

We 662583 Tik#2293

ij

07:56° 11/06/84 0000 7/2293 22080: FORT RHA-PNC (5/80)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTRL Radioactive Waste Shipment Prior Notification and Manifest Form

	Reverse Side	for Instructions						
Name and Address of Shipper.		2. Person Responsible for Radioactive Waste Shipment						
Umetco Minerals Corpor	acion	waste Snip	G.E. Walck					
137 - 47th Street		(b) Title	Construction Superin					
Niagara Falls, NY 1430		(c) Telepi	none No. (716) 278-3361					
Radioactive Waste Transport Pe	rmit No.		Identification No.:					
0211-31-84-X		1184-117-A						
Location from which waste will Same as (1) above	be shipped	6 Name and Address of Consignee Chem-Nuclear Systems, Inc. P.O. Box 726						
		Barnwe	11, South Carolina 29812  Date of Arrival of Shipment					
Scheduled Date of Departure of	Snipment:							
November 6, 1984			mber 8, 1984					
Carrier ri-State Motor Transit	10 Type of T Closed		11. Trailer No. and Owner (if available)					
. Routes shipment will follow i	n State of Sou	th Carolina (Be S	pecific)					
I-20, I-26, US-323			•					
	Manifest							
3. Type Container or Cask	14 Contain	er Spec.	15. Total No of Containers					
Wood Boxes	CFR 49	173.392 (c)	10					
. Waste Description, Physical a	ind	i	t Radionuclides					
Chemical Form Contaminate	ed Soil,		m (Nat.) .0028 -					
Metal Oxides, Bldg. Rubb and Plant Hardware	ore, wood	Thoriu	m (Nat.) .004					
Total Curies (mC1)	19. Transpor	t Group	20 Total Cubic Feet					
.068	I	II	650					
	d quantities dioactive	[] Type A quantity [] Type B quantity [] Large quantity	[] Type B quantity [] Class 1.					
	CERTIF	ICATION						
	ion Supt.	complied with all ctive Waste Transp						
	CONSIGNEE AC	KNOWLEDGEMENT						
	h Carolina Dep	partment of Health	and Environmental Control that					
This acknowledges to the Sout the above-described radioacti	ve waste shipm	ene das addas a						
This acknowledges to the Sout the above-described radioacti	ve waste shipm		f Consignee or authorized					

Origina: Copy:

UN2912

DHEC 802 (5/80)

(Copies of this form may be reproduced locally as needed)

- 3.0 AT DESTINATION (Union Carbide Corporation, Uravan, Colorado)
  - 3.1 Give notification of arrival and receive guidance to unloading site.
  - 3.2 Examine security seals and inspect outside of truck for damage or pilfering.
  - 3.3 The shipment must be unloaded by Consignor from the transport vehicle in which originally loaded.
  - 3.4 UCC or its representative will certify vehicles clean and available for Unrestricted Use and decontaminate if necessary.

### 4.0 PENALTY

4.1 Any deviation from these instructions or violations of State and Federal laws could result in carrier penalty.

Driver's Signature

Date

### GENERATOR NAME \_\_\_\_\_Umetco Minerals Corporation

# BARNWELL WASTE MANAGEMENT FACILITY Operated by CHEM-NUCLEAR SYSTEMS, INC

USE THIS NUMBER ON VOLUME ALLOCATION NO ALL CONTINUATION PAGES 1184-117-A
PAGE 2 OF 2

### CONTINUATION SHEET

(16) ITEM NO UM84	(17) RADIO NUCLIDE EACH CONTAINER	(18) PERCENT OF ACTIVITY EACH NUCLIDE	(19) ACTIVITY EACH CONTAINER (mCi)	(20) PHYSICAL FORM	(21) CHLMICAL FORM AND NAME & OF CHEATING AGENT	(22) WASTE DESCRIPTION	(23) WASTE FORM CLASS	(24) STABILI CLASS (S	iY SF iD NU MA	(25) PECIAL JULEAR JERIAL grams)	(26) SOURCE MATERIAL (pounds)	(27) DISPOSABLE CONTAINER WEIGHT (pounds)	(28) DISPOSABLE CONTAINER VOLUME (Cu Ft)	(29) CONTAINER TYPE	<b>X</b> mR/HR m R/mR	LEVELS (11) 1 METER mRZHR	CC COP Alpha	(31) TAMINATION ONTAINER SURFACE MZ100::m2) Beta Gamma	(32) DOT SUBTYPE (A1 A2 LSA etc)	(33) FISSILE CLASS	(34 LABE MARKI USE	LS/ INGS ED
198	U-238	N/A	.0028	Solid			A	U		N/A	0.1	4112	65		.044	.016	MDA	⟨ MDA	LSA	N/A	Radioactive-	LSA
	TH-232		.004												006	- 0.7		(3.00.4	7.01	27./4	Radioactive—	T C A
199			.0028							4	0.1	4477	65	<u> </u>	.036	.012	(MDA	⟨MDA	LSA	N/A	Radioactive—	LSA
	TH-232		.004_			· · · · · · · · · · · · · · · · · · ·				4		1006	7.5	! <del> </del>	060	01.6	(2004	( ) (D )	TOA	DT / A	Radioactive—	T C A
204	U-238		.0028								0.1	4306_	65	<u> </u>	.060	.016	KMDA	⟨ MDA	LSA	N/A	Radioactive—	LSA
	TH-232		.004											ļ	0.00	0.7.0	· · · · ·	- 1 (T) A	TOA	37 / A	Radioactive—	T.C.A
205	U-238		.0028					/			0.1	4502	65	<u></u>	.030	.010	(MDA	<b>∢</b> MDA	LSA	N/A	Radioactive—	LSA
	TH-232		.004									1010			000	016	1001	4100 A	TOA	N7 / A	Radioactive—	T.C.A
210	U-238		.0028					-		$\perp$	0.1	4248	65		.030	.012	2 MDA	<b>∢</b> MDA	LSA	N/A	Radioactive—	LSA
	TH-232		.004		<u>ы</u>	<u> </u>				_				ļ		0.7	42.55	43.55	T. C. A.	27./4	Radioactive—	T. C.A
215			.0028		X	∞ ∞				_	0.1	4182	65	ļ	.046	.014	∙ ≺MDA	<b>∢</b> MDA	LSA	N/A	Radioactive —	LSA
	TH-232		.004		· · · · ·	ED UB WA		1							000	0.1			7.04	27 / 4	Radinactive —	T. C. A
216	U-238		.0028	<u> </u>		T W C		ļ		_	0.1	4466	65	<del> </del>	.028	.012	MDA	✓ MDA	LSA	N/A	Radioactive—	LSA
	TH-232		.004		TAL	Z 5 A				-					222	0.7	- 4	42004	7.04	77./4	Radioactive—	TOA
217	U−238		.0028		[1]	H N H		ļ			0.1	4286	65		.030	.013	<b>™</b> DA	\[   MDA   \]	LSA	N/A	Radioactive—	LSA
	TH-232		.004		M	H I I I									000	01/	(14T) A	<b>/ / / / / / / / / /</b>	TCA	NI / A	Radioactive	LSA
218			.0028			ZHK				_	0.1	4474	65	!	.028	.01	2 MDA	<b>∢</b> MDA	LSA	N/A	Radioactive	POH
	TH-232		.004			L C C C C C C C C C C C C C C C C C C C		-				1001		<u> </u>	0.00	01	7/2/02 4	- A/TD A	TCA	NT / A	Radinactive—	LSA
219	U-238		.0028					<u></u>		<u> </u>	0.1	4394	65		.030	.01.	2KMDA	<b>∠</b> MDA	LSA	N/A	Radioactive—	LSA
	TH-232	<u> </u>	.004	<u> </u>													+		<del> </del>		Radicactive—	
			<del> </del>						_	,							<del> </del>				Radioactive—	
			<u> </u>			** · · · · · · · · · · · · · · · · · ·		ļ									+		<del></del>		Radinactive—	
	ļ							<b>_</b>			<del></del>						+	-	<del>                                     </del>		Radioactive—	
			<del> </del>					ļ				-				<u> </u>	-		<del> </del>	<u> </u>	Radioactive—	
								<b></b>									+	<del></del>	-		Radinactive—	
						- '								<del> </del>	-			<del> </del>	<del> </del>	ļ	Radioactive—	
								<del> </del>									-	<del> </del>	+		Radioactive-	
								<u> </u>				ļ <u>.</u>		-			<del></del>	<del> </del>			Radioactive—	
															-		-	<u> </u>	<del>                                     </del>	<del> </del>	Radioactive—	
								ļ			1.0	43447	650		i		<b>-</b>	<u> </u>	<u> </u>	l	Radioactive-	

## SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Radioactive Waste Shipment Certification Form

General Instructions and Information: This is a two part form to be used by shippers and carriers of radioactive waste. The certifications contained herein satisfy the requirements of Section 13-7-150, of Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act. This certification along with a copy of the prior notification form shall accompany each shipment of radioactive waste into and within the State of South Carolina. The shipper is to complete his portion of the form and present it to the carrier as part of the shipping documents. Upon receipt, the carrier shall complete his portion of the form. Upon delivery of the shipment to the consignee, a copy of this certification form, and a copy of the Prior Notification and Manifest form with the consignee acknowledgement, shall be returned to the Department.

the Department.	
Part I:	Shipper's Certificate of Compliance
1. Name of Shipper and Address:	2. Shipment Identification No.
Umetco Minerals Corporation 137 - 47th Street	1184-117-A
Niagara Falls, NY 14302	3. Transport Permit No. 0211-31-84-X
Telephone No. (716) 278-3361	Delication and

In compliance with Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the above-named shipper has complied with all provisions of Act No. 499 of 1980, and all applicable laws and administrative rules and regulations, both State and Federal, regarding the packaging, transportation, storage, disposal and delivery of such wastes. I further certify that this shipment of radioactive waste has been inspected within 48 hours of the time of departure and that no items of non-compliance with applicable laws, rules or regulations were found.

Dat	teNovember 0, 1904	No Diesel
	G.E. Walck, Construction Superintendent	J. E. Walist.
Typ	ped Name and Title of Agent of Shipper	Signature
	Part II: Carrı	er's Certification
<u> </u>	Name of Carrier and Address:	2. Shipment Identification No.
	Tri-State Motor Transit Company	1184 -117-A
	P.O. Box 113	
	Joplin, Missouri 64801	3. Transport Trailer No. 445147
	Telephone No. (800) 641-7591	5. Estimated Date of Arrival of Shipment:
4.	Scheduled Date of Departure of Shipment:	5. Estimated Date of Afrival of Shipment.
	November 6 1984	November 8, 1984

November 6, 1984

Certification is hereby made to the South Carolina Department of Health and Environmental Control that: (a) the shipper has provided the carrier with a copy of the shipment manifest, the certificate of compliance, and the routing instructions; (b) the shipment of radioactive waste has been properly placarded for transport according to applicable U.S. Department of Transportation Regulations; (c) all shipping papers originated or reproduced by the carrier have been properly executed; (d) the transport vehicle has been inspected according to applicable State and Federal regulations within the prescribed intervals and that all safety and operational components are in good working order and meet the requirements of regulations; (e) all drivers who will operate the vehicle within the State of South Carolina are qualified to transport hazardous materials as specified by applicable U.S. Department of Transportation regulations; (f) the Department shall be immediately notified of any variance, occurring after departure, from the shipper's notification of primary routes in South Carolina and estimated date of arrival; (g) all applicable laws and administrative rules and regulations, both State and Federal, regarding the transportation of radioactive wastes will be complied with.

November 6, 1984

| Stand of Joves Origer
| Typed or Printed Name and Title

November 6, 1984

Xuhar ()

DHEC 803

Not Negotiable

Shipment No. 615-3013

Carrier's No 662583-

### Tra-State Motor Transit Company

RECEIVED subject to the classifications and tarliffs in effect on the date of the issue of this Bill of Lading

UMETCO MINERALS CORPORATION

AT Mariettax.Ohio.Niagara Falls, NY 11-6 7.719<u>84</u> From

METALS DIVISIONX UNION CARBIDE CORPORATIONS

For use via carrier truck under the exclusive/sole use shipments/movements

the property described below, in apparent good order except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood through out this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions freight Classifications in effect on the date hereof if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accented for himself and his assums.

Chem Nuclear Systems Inc.  Consigned to UCCYMETALY DIVISION Barnwell Management Facilities				DER NO	CUSTOMER'S ORDER NO		
Destination	Gravanx Barnwell (Osborn Road)	_State_Coloradoc	S. Car	olina .	County <u>Mo</u>	ntrosek Barnwell	
Route							
Delivering (	Carrier Tri-State Motor Transit	Car or _Vehicle Initials	2293	No	44514	7 No 26252 7	
No Packages	Kind of Package, Description of Articles, Special marks, and Exceptions	*Weight (Sub to correction)	‡Class or Rate	Check Column	Subject to Section 7 of Conditions of applicable bill of lading if this shipment is to be delivered to the consignee without recourse on the		
10	Radioactive Materials LSA nos (650 cu. ft.) 43 740				consignor the consignor shall sign the following statement		
	Radioactive-Material -UN 2912x				ery of the	rier shall not make deliv his shipment without pay freight and all other lawful	
	<u>U-Naturak</u>				charges		
	Uraniumy.Ehonium Residuesi (Erom Chemicali Processing)				(Si	gnature of consignor )	
	0:04:63Max/3Guries:perxPackagex Less than one (	1) pound so	ırce				
	material - solid, metal oxide, contam	inated soil			onstamp here those Rrepaid  Third Party  PREPAID (See below)*		
	building rubble, wood and plant equip						
					Received	\$	
	This is to certify that the above named materials are properly classified, described packaged marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation					to apply in prepayment of the charges on the property described hereon	
	Signed	E. Malch			<del></del>	Agent or Cashier	
					Per		
	Vehicle assigned for sole use of consignor. Do not load other freight on the vehicle do not transfer in route and do not break the seal on truck				only the ar	ignature here acknowledges nount prepaid)	
		1		1		Charges advanced	
			<u> </u>	<u> </u>	s		
	Carrier hereby acknowledges that prior to or at the time this shipment was offered for transportation, the shipper provided or affixed, according to applicable regulations the required placards or orange panels (including prescribed identification numbers) for each hazardous material named hereon					oment is correctly described  ight is ibs verification by the Evans :co Minerals Corp.	
	Signed Kicha	6 Jan	4		P 0	D07	
	/				1	Box 97 gara Falls, NY 143	
			<u> </u>	<u> </u>			
The agreed or	declared value of the property is hereby specifically stated by the shipper to be not exceed	·			per _		
	METALS:DIVISION: UMETCO MINERA UNION:CARBIDE CORPORATION:	LS CORPORAT	'ION				
	Shipper					Agent	
Per	office G.E. Walck	Per			···		